Environmental Protection Agency

BAT EFFLUENT LIMITATIONS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of product re- covered from electrolytic slimes processing	
Arsenic Copper Nickel	.000 .000 .000	.000 .000 .000

[49 FR 8801, Mar. 8, 1984; 49 FR 26739, June 29, 1984, as amended at 49 FR 29795, July 24, 1984]

§ 421.54 Standards of performance for new sources.

Any new source subject to this subpart shall achieve the following new source performance standards:

(a) Subpart E—Casting Contact Cooling.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of copper cast	
Arsenic	.692 .638	.309 .304
Nickel	.274	.184
Total suspended solids	7.470	5.976
pH	(1)	(1)

¹ Within the range of 7.5 to 10.0 at all times.

(b) Subpart E—Anode and Cathode Rinse.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of cathode cop per production	
Arsenic	.000 .000 .000	.000 .000 .000
Total suspended solidspH	.000	.000 (¹)

¹ Within the range of 7.5 to 10.0 at all times.

(c) Subpart E—Spent Electrolyte.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of copper cath ode production	
Arsenic	.068	.031
Copper	.063	.030
Nickel	.027	.018
Total suspended solids	.735	.588
pH	(1)	(1)

¹ Within the range 7.5 to 10.0 at all times.

(d) Subpart E—Casting Wet Air Pollution Control.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
		ds per million casting pro-
Arsenic	.000 .000 .000 .000	.000 .000 .000 .000

¹ Within the range of 7.5 to 10.0 at all times.

(e) Subpart E—By-Product Recovery.

NSPS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of product re covered from electrolytic slimes processing	
Arsenic	.000 .000 .000 .000 (¹)	.000 .000 .000 .000 (1)

¹ Within the range of 7.5 to 10.0 at all times.

 $[49 \; \mathrm{FR} \; 8801, \; \mathrm{Mar.} \; 8, \; 1984, \; \mathrm{as} \; \mathrm{amended} \; \mathrm{at} \; 49 \; \mathrm{FR} \; 29795, \; \mathrm{July} \; 24, \; 1984]$

§ 421.55 [Reserved]

\$421.56 Pretreatment standards for new sources.

Except as provided in 40 CFR 403.7, any new source subject to this subpart which introduces pollutants into a publicly owned treatment works must comply with 40 CFR part 403 and achieve the following pretreatment standards for new sources. The mass of

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wastewater pollutants in primary electrolytic copper refining process wastewater introduced into a POTW shall not exceed the following values:

(a) Subpart E—Casting Contact Cooling.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of copper cast	
Arsenic	.692 .638 .274	.309 .304 .184

(b) Subpart E—Anode and Cathode Rinse.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per millior pounds) of cathode cop- per production	
Arsenic	.000 .000 .000	.000 .000 .000

(c) Subpart E-Spent Electrolyte.

PSNS

Pollutant or pollutant property	Maximum for any 1	Maximum for monthly
	day	average
	mg/kg (pounds per million pounds) of cathode cop per production	
Arsenic	.068	.031
Copper	.063	.030
Nickel	.027	.018

(d) Subpart E—Casting Wet Air Pollution Control.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per millio pounds) of casting pro duction	
Arsenic	.000 .000 .000	.000 .000 .000

(e) Subpart E—By-Product Recovery.

PSNS

Pollutant or pollutant property	Maximum for any 1 day	Maximum for monthly average
	mg/kg (pounds per million pounds) of product re- covered from electrolytic slimes processing	
Arsenic	.000 .000 .000	.000 .000 .000

[49 FR 8801, Mar. 8, 1984, as amended at 49 FR 29795, July 24, 1984]

§421.57 [Reserved]

Subpart F—Secondary Copper Subcategory

SOURCE: 49 FR 8802, Mar. 8, 1984, unless otherwise noted.

§ 421.60 Applicability: Description of the secondary copper subcategory.

The provisions of this subpart are applicable to discharges resulting from the recovery, processing, and remelting of new and used copper scrap and residues to produce copper metal and copper alloys, but are not applicable to continuous rod casting.

§421.61 Specialized definitions.

For the purpose of this subpart:

- (a) Except as provided below, the general definitions, abbreviations, and methods of analysis set forth in 40 CFR part 401 shall apply to this subpart.
- (b) For all impoundments constructed prior to the effective date of this regulation the term "within the impoundment" when used for purposes of calculating the volume of process wastewater which may be discharged shall mean the water surface area within the impoundment at maximum capacity plus the surface area of the inside and outside slopes of the impoundment dam as well as the surface area between the outside edge of the impoundment dam and any seepage ditch immediately adjacent to the dam upon which rain falls and is returned to the impoundment. For the purpose of such calculations, the surface area allowances set forth above shall not be